

1 USING AN EXTERNAL SPIRAL SERVO WRITER TO WRITE REFERENCE SERVO
2 SECTORS AND SPIRAL TRACKS TO A DISK TO FACILITATE WRITING
3 PRODUCT SERVO SECTORS TO THE DISK

4
5 ABSTRACT OF THE DISCLOSURE

6 A method of writing product servo sectors to a disk of a disk drive is disclosed. An
7 external spiral servo writer writes a plurality of reference servo sectors at an outer diameter of the
8 disk and a plurality of spiral tracks that spiral from an outer diameter to an inner diameter of the
9 disk. At the beginning of the product servo writing process, the reference servo sectors are
10 demodulated to initially synchronize a servo write clock. The spiral tracks are then demodulated
11 to maintain synchronization of the servo write clock as well as maintain the head along a target
12 circumferential path while writing product servo sectors to the disk.